



US009410420B2

(12) **United States Patent**  
**Ross et al.**

(10) **Patent No.:** **US 9,410,420 B2**  
(45) **Date of Patent:** **Aug. 9, 2016**

(54) **WELL**

(56) **References Cited**

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(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 172 days.

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(21) Appl. No.: **13/811,113**

(22) PCT Filed: **Jul. 20, 2011**

OTHER PUBLICATIONS

(86) PCT No.: **PCT/GB2011/051378**

PCT International Search Report dated Jun. 26, 2012; International  
Application No. PCT/GB2011/051378, International Filing Date:  
Jul. 20, 2011.

§ 371 (c)(1),  
(2), (4) Date: **Mar. 27, 2013**

(Continued)

(87) PCT Pub. No.: **WO2012/010898**

PCT Pub. Date: **Jan. 26, 2012**

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(65) **Prior Publication Data**

US 2013/0180726 A1 Jul. 18, 2013

(57) **ABSTRACT**

(30) **Foreign Application Priority Data**

Jul. 20, 2010 (GB) ..... 1012176.2

(51) **Int. Cl.**

**E21B 47/001** (2012.01)

**E21B 47/12** (2012.01)

(Continued)

(52) **U.S. Cl.**

CPC ..... **E21B 47/12** (2013.01); **E21B 47/0001**  
(2013.01); **E21B 47/122** (2013.01); **E21B**  
**47/14** (2013.01)

(58) **Field of Classification Search**

CPC ... E21B 47/0001; E21B 47/12; E21B 47/122;  
E21B 47/14

USPC ..... 166/336, 368, 250.01, 113; 340/853.1,  
340/854.6

See application file for complete search history.

A well comprising a borehole and wellhead apparatus, and a communication box at or proximate to the wellhead apparatus, the well comprising a plurality of sensors coupled to wireless transmitters which are adapted to transmit information from the sensors to the communication box; the sensors comprising at least one pressure sensor; and the well comprising a first memory device spaced apart from the communication box, the first memory device configured to store information from the sensors, wherein the communication box comprises a receiver adapted to receive signals from the transmitters, and at least one of a transmission device and a second memory device to transmit and/or store data received from the transmitters. The communication box is typically highly shock resistant (above 50 Gs for at least 5 ms, all axes) and so provides, together with other optional features, a system to monitor a well, especially before, during or after an emergency situation.

**45 Claims, 2 Drawing Sheets**

